

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

This declaration is of the following type:

- ☐ original
- ☐ divisional
- ☐ continuation
- ☒ continuation-in-part

INVENTORSHIP IDENTIFICATION

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TITLE OF INVENTION

"FABRICATION OF SILICON-ON-INSULATOR STRUCTURE USING PLASMA IMMERSION ION IMPLANTATION"

SPECIFICATION IDENTIFICATION

The specification of which:

- ☒ is attached hereto
- ☐ was filed on @, under Serial No. (unknown), executed on even date herewith; or
- ☐ Express Mail No. @(as Serial No. not yet known)
- ☐ and was amended on _____ (if applicable)
- ☐ was described and claimed in PCT International Application No. _____
- ☐ filed on _____ and as amended under PCT Article 19 on _____.

This application in part discloses and claims new subject matter as well as subject matter disclosed in the earlier-filed application(s):

Serial No.: 10/646,533
Filed: August 22, 2003
For: PLASMA IMMERSION ION IMPLANTATION
PROCESS USING A PLASMA SOURCE
HAVING LOW DISSOCIATION AND LOW
MINIMUM PLASMA VOLTAGE

Serial No.: 10/164,327
Filed: June 5, 2002
For: MAGNETICALLY EXCITED TORROIDAL PLASMA
SOURCE WITH MAGNETIC CONTROL OF ION
DISTRIBUTION

ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56,

and which is material to the examination of this application; namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and

☐ In compliance with this duty there is attached an Information Disclosure Statement in accordance with 37 CFR §1.98.

PRIORITY CLAIM (35 U.S.C. §119)

I hereby claim foreign priority benefits under Title 35, United States Code, §119, of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below, and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

☒ No such applications have been filed.

☐ Such applications have been filed as follows:

- A. Prior foreign/PCT application(s) filed within 12 mos. (6 mos. for design) prior to this application, and any priority claims under 35 U.S.C. §119**

<u>Country/PCT</u>	<u>Application No</u>	<u>Date Filed</u>	<u>Priority Claimed</u>
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No

- B. All foreign application(s), if any, filed more than 12 mos. (6 mos for design) prior to this U.S. application**

Country:
Application No:
Filing date:

PRIORITY CLAIM (35 U.S.C. §120)

I hereby claim the benefit under Title 35, United States Code, §120, of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information that is material to the examination of this application (namely, information where there is substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

- ☐ No such applications have been filed
☒ Such applications have been filed, as follows:

<u>Serial No.</u>	<u>Filing Date</u>	<u>Patented</u>	<u>Pending</u>	<u>Abandoned</u>
10/646,533	August 22, 2003		X	
10/164,327	June 5, 2002		X	

POWER OF ATTORNEY

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Peter J. Sgarbossa	Registration No. 25,610
Raymond Kam-On Kwong	Registration No. 37,165
James C. Wilson	Registration No. 35,412
Joseph Bach	Registration No. 37,771
Robert W. Mulcahy	Registration No. 25,436
Robert M. Wallace	Registration No. 29,119

Send correspondence to:

Patent Counsel, MS/2061
Legal Affairs Dept.
Applied Materials, Inc.
P. O. Box 450A
Santa Clara, CA 95035

Direct telephone calls to:

Robert M. Wallace
(805) 644-4035

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Sec. 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Full name of sole or first inventor: DAN MAYDAN

Inventor's signature: Dan Maydan Date: 2/17/04
Residence: 1200 MURIETTA LANE, LOS ALTOS HILLS, CA 94022
Post Office Address: 1200 MURIETTA LANE
LOS ALTOS HILLS, CA 94022
U.S.A. Country of Citizenship: U.S.A.

Full name of second inventor: RANDIR P.S. THAKUR

Inventor's signature: _____ Date: _____
Residence: 5261 APENNINES CIRCLE, SAN JOSE, CA 95138
Post Office Address: 5261 APENNINES CIRCLE
SAN JOSE, CA 95138 Country of Citizenship: U.S.A.
U.S.A.

Full name of third inventor: KENNETH S. COLLINS

Inventor's signature: _____ Date: _____
Residence: 7214 GLENVIEW DRIVE, SAN JOSE, CA 95120
Post Office Address: 7214 GLENVIEW DRIVE
SAN JOSE, CA 95120
U.S.A. Country of Citizenship: U.S.A.

Full name of fourth inventor: AMIR AL-BAYATI

Inventor's signature: _____ Date: _____
Residence: 3302 CHEMIN DE RIVIERE, SAN JOSE, CA 95148
Post Office Address: 3302 CHEMIN DE RIVIERE
SAN JOSE, CA 95148
U.S.A. Country of Citizenship: U.S.A.

Full name of fifth inventor: HIROJI HANAWA

Inventor's signature: _____ Date: _____
Residence: 696 SPRUCE DRIVE, SUNNYVALE, CA 94086
Post Office Address: 696 SPRUCE DRIVE
SUNNYVALE, CA 94086
U.S.A. Country of Citizenship: JAPAN

Full name of sixth inventor: KARTIK RAMASWAMY

Inventor's signature: _____ Date: _____
Residence: 2382 ST. IGNATIUS PLACE #323, SANTA CLARA, CA 95051
Post Office Address: 2382 ST. IGNATIUS PLACE #323
SANTA CLARA, CA 95051
U.S.A. Country of Citizenship: INDIA

Full name of seventh inventor: BIAGIO GALLO

Inventor's signature: _____ Date: _____
Residence: 160 COLLEGE AVENUE, LOS GATOS, CA 95030
Post Office Address: 160 COLLEGE AVENUE
LOS GATOS, CA 95030
U.S.A. Country of Citizenship: ITALY

Full name of eighth inventor: ANDREW NGUYEN

Inventor's signature: _____ Date: _____
Residence: 3148 HOSTETTER ROAD, SAN JOSE, CA 95132
Post Office Address: 3148 HOSTETTER ROAD
SAN JOSE, CA 95132
U.S.A. Country of Citizenship: U.S.A.

(Declaration ends with this page)

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- A. Prior foreign/PCT application(s) filed within 12 mos. (6 mos. for design) prior to this application, and any priority claims under 35 U.S.C. §119

<u>Country/PCT</u>	<u>Application No</u>	<u>Date Filed</u>	<u>Priority Claimed</u>
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			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No

- B. All foreign application(s), if any, filed more than 12 mos. (6 mos for design) prior to this U.S. application

Country:
Application No:
Filing date:

PRIORITY CLAIM (35 U.S.C. §120)

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- ☐ No such applications have been filed
☒ Such applications have been filed, as follows:

<u>Serial No.</u>	<u>Filing Date</u>	<u>Patented</u>	<u>Pending</u>	<u>Abandoned</u>
10/646,533	August 22, 2003		X	
10/164,327	June 5, 2002		X	

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I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

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Raymond Kam-On Kwong	Registration No. 37,165
James C. Wilson	Registration No. 35,412
Joseph Bach	Registration No. 37,771
Robert W. Mulcahy	Registration No. 25,436
Robert M. Wallace	Registration No. 29,119

Send correspondence to:

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Legal Affairs Dept.
Applied Materials, Inc.
P. O. Box 450A
Santa Clara, CA 95035

Direct telephone calls to:

Robert M. Wallace
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Full name of **sole or first** inventor: DAN MAYDAN

Inventor's signature: _____ Date: _____
Residence: 1200 MURIETTA LANE, LOS ALTOS HILLS, CA 94022
Post Office Address: 1200 MURIETTA LANE
LOS ALTOS HILLS, CA 94022
U.S.A. Country of Citizenship: U.S.A.

Full name of **second** inventor: RANDIR P.S. THAKUR

Inventor's signature: Randhir Thakur Date: 1/26/04
Residence: 5261 APENNINES CIRCLE, SAN JOSE, CA 95138
Post Office Address: 5261 APENNINES CIRCLE
SAN JOSE, CA 95138
U.S.A. Country of Citizenship: U.S.A.

Full name of **third** inventor: KENNETH S. COLLINS

Inventor's signature: K S Collins Date: 1-26-04
Residence: 7214 GLENVIEW DRIVE, SAN JOSE, CA 95120
Post Office Address: 7214 GLENVIEW DRIVE
SAN JOSE, CA 95120
U.S.A. Country of Citizenship: U.S.A.

Full name of **fourth** inventor: AMIR AL-BAYATI

Inventor's signature: A. Al-Bayati Date: 1/26/04
Residence: 3302 CHEMIN DE RIVIERE, SAN JOSE, CA 95148
Post Office Address: 3302 CHEMIN DE RIVIERE
SAN JOSE, CA 95148
U.S.A. Country of Citizenship: U.S.A.

Full name of **fifth** inventor: HIROJI HANAWA

Inventor's signature: Hiroji Hanawa Date: 1-30-04
Residence: 696 SPRUCE DRIVE, SUNNYVALE, CA 94086
Post Office Address: 696 SPRUCE DRIVE
SUNNYVALE, CA 94086
U.S.A. Country of Citizenship: JAPAN

Full name of **sixth** inventor:

KARTIK RAMASWAMY

Inventor's signature: _____

Date: _____

Residence:

Post Office Address:

2382 ST. IGNATIUS PLACE #323, SANTA CLARA, CA 95051

2382 ST. IGNATIUS PLACE #323

SANTA CLARA, CA 95051

U.S.A.

Country of Citizenship: INDIA

Full name of **seventh** inventor:

BIAGIO GALLO

Inventor's signature: _____

Date: _____

Residence:

Post Office Address:

160 COLLEGE AVENUE, LOS GATOS, CA 95030

160 COLLEGE AVENUE

LOS GATOS, CA 95030

U.S.A.

Country of Citizenship: ITALY

Full name of **eighth** inventor:

ANDREW NGUYEN

Inventor's signature: _____

Date: _____

Residence:

Post Office Address:

3148 HOSTETTER ROAD, SAN JOSE, CA 95132

3148 HOSTETTER ROAD

SAN JOSE, CA 95132

U.S.A.

Country of Citizenship: U.S.A.

(Declaration ends with this page)